

IN THE FIGURES

Figure 3 is added to the application and is attached to this Preliminary Amendment.

IN THE SPECIFICATION

On page 2, line 39, change "invention." to "invention; and".

On page 2, after line 39, insert text as follows:

--FIG. 3 illustrates an alternate embodiment of a processing circuit for pixel signals in accordance with the present invention.--

On page 6, lines 183-184, change "selected a" to "a selected".

Insert the following text after page 8, line 236, after "as it is received."

--FIG. 3 illustrates a schematic diagram of imaging integrated circuit 26 in an alternate embodiment, including optical sensor 32 and signal processing circuit 34.

Optical sensor 32 includes 2,752 photodetectors coupled to a CDS circuit 168 having $2,752 \times 2 = 5,504$ sample and hold (S/H) amplifiers. In other words, each photodetector is coupled to two S/H amplifiers, a first S/H amplifier sampling the dark level on one transition of SYSCLK and holding the dark level while a second S/H amplifier samples the light level. The dark levels generated by the photodetectors are

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X

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A multiplexer 162 receives pixel addresses on bus 36 to select one of the forty-three regions 52 of sensor 32 in a fashion similar to multiplexer 62 shown in FIG. 2. Hence, the dark and light signal levels on bus 38 are provided at 5,504 inputs of a multiplexer 162. These dark and light signal levels are routed through separate decoding matrices within multiplexer 162 and provided on separate conductors of a bus 171. Hence, multiplexer 162 provides sixty-four dark levels and sixty-four light levels generated within a selected region on to one hundred twenty-eight outputs coupled to a one hundred twenty-eight conductor bus 171.

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A handwritten signature in black ink, appearing to be "K". It consists of a large loop at the top left, followed by a diagonal stroke down to the right, and then a curved stroke ending at the bottom right. There are some small dots and marks around the main strokes.